

Home > Online Database Search Form

## Database Search Request Confirmation

Thank you, BARRY CHOOBIN. Your request (shown below) has been successful.

Your name: **BARRY CHOOBIN**

Email address: **BARRY.CHOOBIN@USPTO.GOV**

Employee number: **77677**

Art Unit: **2625**

Office Location: **NOX9D75**

Phone Number: **571-2727447**

Mailbox Number:

Case serial number: **09987258**

Class / Subclass(es): **382/104**

Earliest Priority Filing Date: **12/13/2001**

Format preferred for results: **Paper**

Search Topic Information:

**SMEAR SAME EDGE SAME DETECTION SAME WHITE SAME LINE SAME PR  
SAME ROAD**

Special Instructions and Other Comments:

Submit comments and suggestions to [Kristin Vajs](#)

To report technical problems, contact [Technical Support](#)

### SERVICES

Database Search	<a href="#">submit</a>
PLUS Search	<a href="#">submit</a>
Book/Article Delivery	<a href="#">submit</a>
Book/Journal Purchase	<a href="#">submit</a>
Foreign Patents	<a href="#">submit</a>
Telework Support	<a href="#">submit</a>
Translation	<a href="#">submit</a>
SIRA Automation Training	<a href="#">submit</a>
STIC Demos & Events	<a href="#">submit</a>

### RESOURCES

STIC Online Catalog
Databases
E-Books <a href="#">search</a>
E-Journals <a href="#">search</a>
Legal Tools
Nanotechnology
Reference Tools

### STIC

About Us
FAQ
Locations & Hours
News
Site Map
Staff

### Search STIC Site

If you cannot access a file because of a missing or non-working plugin, please contact the Help Desk at 2-9000 (Alexandria) or 305-9000 (Crystal City) for installation assistance.

[Intranet Home](#) | [Index](#) | [Resources](#) | [Contacts](#) | [Internet](#) | [Search](#) | [Firewall](#) | [Web Services](#)

Last modified 09/16/2005 11:40:06


[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) | [Help](#)

Welcome United States Patent and Trademark Office

**SEARCH RESULTS****BROWSE****SEARCH****IEEE Xplore Guide**

Results for "((smear &lt;and&gt; edge &lt;and&gt; detec\*) &lt;in&gt;metadata)"

 e-mail

Your search matched 15 of 1235066 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by **Relevance** in **Descending** order.» **Search Options**[View Session History](#)[New Search](#)**Modify Search**[»](#) Check to search only within this results setDisplay Format:  Citation  Citation & Abstract» **Key****IEEE JNL** IEEE Journal or Magazine Select Article Information**IEE JNL** IEE Journal or Magazine**IEEE CNF** IEEE Conference Proceeding**IEE CNF** IEE Conference Proceeding**IEEE STD** IEEE Standard**1. Toward edge sharpening: a SAR speckle filtering algorithm**

Domg, Y.; Milne, A.K.; forster, B.C.;  
 Geoscience and Remote Sensing, IEEE Transactions on  
 Volume 39, Issue 4, April 2001 Page(s):851 - 863  
 Digital Object Identifier 10.1109/36.917910

[AbstractPlus](#) | [References](#) | [Full Text: PDF\(376 KB\)](#) [IEEE JNL](#)**2. On the partition of binary edge maps as a first step for quantitative qualit**

Pinho, A.J.; Almeida, L.B.;  
 Image Processing, 1996. Proceedings., International Conference on  
 Volume 3, 16-19 Sept. 1996 Page(s):343 - 346 vol.3  
 Digital Object Identifier 10.1109/ICIP.1996.560501

[AbstractPlus](#) | [Full Text: PDF\(304 KB\)](#) [IEEE CNF](#)**3. Adaptive fuzzy edge detector for image enhancement**

Chang-Shing Lee; Yau-Hwang Kuo;  
 Fuzzy Systems Proceedings, 1998. IEEE World Congress on Computational Ir  
 1998 IEEE International Conference on  
 Volume 2, 4-9 May 1998 Page(s):1542 - 1547 vol.2  
 Digital Object Identifier 10.1109/FUZZY.1998.686348

[AbstractPlus](#) | [Full Text: PDF\(500 KB\)](#) [IEEE CNF](#)**4. Coding artifacts reduction using edge map guided adaptive and fuzzy fili**

Hao-Song Kong; Yao Nie; Vetro, A.; Huifeng Sun; Barner, K.E.;  
 Multimedia and Expo, 2004. ICME '04. 2004 IEEE International Conference on  
 Volume 2, 27-30 June 2004 Page(s):1135 - 1138 Vol.2

[AbstractPlus](#) | [Full Text: PDF\(704 KB\)](#) [IEEE CNF](#)**5. Figures of merit for quality assessment of binary edge maps**

Pinho, A.J.; Almeida, L.B.;  
 Image Processing, 1996. Proceedings., International Conference on  
 Volume 3, 16-19 Sept. 1996 Page(s):591 - 594 vol.3  
 Digital Object Identifier 10.1109/ICIP.1996.560564

[AbstractPlus](#) | [Full Text: PDF\(352 KB\)](#) [IEEE CNF](#)**6.**

**Selective removal of impulse noise based on homogeneity level informati**  
 Gouchol Pok; Jyh-Charn Liu; Nair, A.S.;

Image Processing, IEEE Transactions on  
Volume 12, Issue 1, Jan. 2003 Page(s):85 - 92  
Digital Object Identifier 10.1109/TIP.2002.804278  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(1551 KB\)](#) IEEE JNL

- 7. Motion estimation from motion smear - a system identification approach**  
Omer, O.J.; Kumar, S.; Bajpai, R.; Venkatesh, K.S.; Gupta, S.;  
Image Processing, 2004. ICIP '04. 2004 International Conference on  
Volume 3, 24-27 Oct. 2004 Page(s):1855 - 1858 Vol. 3  
Digital Object Identifier 10.1109/ICIP.2004.1421438  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(610 KB\)](#) IEEE CNF
  
- 8. Restoration of archival documents using a wavelet technique**  
Chew Lim Tan; Cao, R.; Peiyi Shen;  
Pattern Analysis and Machine Intelligence, IEEE Transactions on  
Volume 24, Issue 10, Oct. 2002 Page(s):1399 - 1404  
Digital Object Identifier 10.1109/TPAMI.2002.1039211  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(1789 KB\)](#) IEEE JNL
  
- 9. A wavelet approach to double-sided document image pair processing**  
Ruini Cao; Chew Lim Tan; Peiyi Shen;  
Image Processing, 2001. Proceedings. 2001 International Conference on  
Volume 3, 7-10 Oct. 2001 Page(s):174 - 177 vol.3  
Digital Object Identifier 10.1109/ICIP.2001.958079  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(384 KB\)](#) IEEE CNF
  
- 10. Classified pixel-based windowing algorithm for polarimetric SAR speckle**  
Sang-Ho Yoon; Young-Soo Kim;  
Electronics Letters  
Volume 39, Issue 1, 9 Jan 2003 Page(s):115 - 116  
Digital Object Identifier 10.1049/el:20030037  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(281 KB\)](#) IEE JNL
  
- 11. Adaptive 3-D segmentation algorithms for microscope images using local contrast features: application to Pap smears**  
Mackin, R.W., Jr.; Roysam, B.; Turner, J.N.;  
Image Processing, 1995. Proceedings., International Conference on  
Volume 3, 23-26 Oct. 1995 Page(s):160 - 163 vol.3  
Digital Object Identifier 10.1109/ICIP.1995.537605  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(1056 KB\)](#) IEEE CNF
  
- 12. Anti-geometric diffusion for adaptive thresholding and fast segmentation**  
Manay, S.; Yezzi, A.;  
Image Processing, IEEE Transactions on  
Volume 12, Issue 11, Nov. 2003 Page(s):1310 - 1323  
Digital Object Identifier 10.1109/TIP.2003.818039  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(1366 KB\)](#) IEEE JNL
  
- 13. Vector filtering of single-look complex SAR data based on adaptively weighted order statistics**  
Caldelli, R.; Bianchini, M.; Alparone, L.;  
Geoscience and Remote Sensing Symposium, 2000. Proceedings. IGARSS 2000 International  
Volume 4, 24-28 July 2000 Page(s):1669 - 1671 vol.4  
Digital Object Identifier 10.1109/IGARSS.2000.857307  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(352 KB\)](#) IEEE CNF
  
- 14. A two-stage scene segmentation scheme for the automatic collection of**

**Images**

Bamford, P.; Lovell, B.;

TENCON '97. IEEE Region 10 Annual Conference. Speech and Image Technology, Computing and Telecommunications',, Proceedings of IEEE

Volume 2, 2-4 Dec. 1997 Page(s):683 - 686 vol.2

Digital Object Identifier 10.1109/TENCON.1997.648513

[AbstractPlus](#) | Full Text: [PDF](#)(596 KB) IEEE CNF

**15. A novel white blood cell segmentation scheme using scale-space filtering and clustering**

Kan Jiang; Qing-Min Liao; Sheng-Yang Dai;

Machine Learning and Cybernetics, 2003 International Conference on

Volume 5, 2-5 Nov. 2003 Page(s):2820 - 2825 Vol.5

[AbstractPlus](#) | Full Text: [PDF](#)(461 KB) IEEE CNF



[Help](#) [Contact Us](#) [Privacy & Terms](#)

© Copyright 2005 IEEE. All Rights Reserved

Indexed by  
**Inspec**

[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

[Search Session History](#)[BROWSE](#)[SEARCH](#)[IEEE Xplore GUIDE](#)

Edit an existing query or  
compose a new query in the  
Search Query Display.

Fri, 16 Sep 2005, 11:43:27 AM EST

Search Query Display

Select a search number (#) to:

- Add a query to the Search Query Display
- Combine search queries using AND, OR, or NOT
- Delete a search
- Run a search

Recent Search Queries

#1 ((smear <and> edge <and> detec\* <and> position <and> white <and> line)<in>metadata)

#2 ((smear <and> edge <and> detec\* <and> position <and> white ) <in>metadata)

#3 ((smear <and> edge <and> detec\* <and> position ) <in>metadata)

#4 ((smear <and> edge <and> detec\* )<in>metadata)

[Help](#) [Contact Us](#) [Privacy & :](#)

© Copyright 2005 IEEE -

Indexed by  
**Inspec**<sup>®</sup>

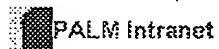
Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	16	(smear near2 edge) same line	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/09/16 11:24
L2	1	smear near5 edge near5 detect\$4 near7 section near7 previous\$4 near7 position near7 line	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/09/16 11:19
L3	255	white near1 line near2 detect\$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/09/16 11:25
L4	111	3 same road	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/09/16 11:25
S1	15	(smear near2 edge) same line	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/09/16 11:17
S2	1	(smear near2 edge) same road	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/10/26 15:10
S3	170	smear near2 edge	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/10/26 15:41
S4	10	(smear near2 edge) and road	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/10/26 15:14
S5	1	("5991427").PN.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	OFF	2004/10/26 15:15
S6	0	(smear near2 edge) and (("5991427").PN.)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/10/26 15:15
S7	170	(smear near2 edge) and edge	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/10/26 15:15
S8	1	((("5991427").PN.) and edge	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/10/26 15:39
S9	1	"09/987258"	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/10/26 15:39
S10	1	"09/987258" and smear	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/10/26 15:39
S11	0	smear same edge same position	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/10/26 15:42

S12	169	smear same edge same position	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/10/26 15:42
S13	1	(smear same edge same position) same road	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/10/26 15:42
S14	5	(smear same edge same position) same white	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/10/26 15:45
S15	4966	(smear blur obscure) same (edge boundary)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/10/26 15:54
S16	13	((smear blur obscure) same (edge boundary)) same road	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/10/26 15:53
S17	269	((smear blur obscure) same (edge boundary)) same detection	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/10/26 15:55
S18	1481	(smear blur obscure) near3 (edge boundary)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/10/26 15:54
S19	24	((smear blur obscure) near3 (edge boundary)) near4 detection	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/20 16:46
S20	8	smear same edge same white same line	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/20 16:45
S21	24	((smear blur obscure) near3 (edge boundary)) near4 detection	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/20 16:51
S22	186	edge same white same line same enhanc\$5	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/20 16:52
S23	11	S22 same eliminat\$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/20 16:52
S24	20429	detect\$4 near1 edge	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/20 16:53
S25	51	S24 same (white near (lane line))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/20 16:54
S26	11	S25 same (filter\$4 enhanc\$4 eliminat\$4)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/20 17:00
S27	1116	smear same edge	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/20 17:01

S28	74	S27 same eliminat\$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/20 17:01
S29	2	S28 same white	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/20 17:02
S30	332	(382/104).CCLS.	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2004/12/20 17:03
S31	18	S30 and (edge same enhanc\$7)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/20 17:05
S32	222	(white near1 (lane line)) near2 detect\$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/20 17:06
S33	46	S32 same edge	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/20 17:06
S34	51	sato near1 yoshihiro	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/21 14:30
S35	4	S34 and running	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/21 14:18
S36	0	S34 and smear	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/21 14:19
S37	0	running near1 path near1 detector near2 vehicle	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/21 14:19
S38	1	("5991427").PN.	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2004/12/21 14:39
S39	34280	edge same (smear\$4 stain\$4 smudg\$4 obscur\$4 blur\$4)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/21 14:40
S40	5186	S39 same imag\$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/21 14:41
S41	15	S40 same (white near1 (lane or line))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/21 14:59
S42	596	(382/266).CCLS.	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2004/12/21 15:00
S43	15	S42 and (white near1 (line lane))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/21 15:02

S44	26425	(filter\$4 remov\$4 eliminat\$4 delet\$4) same (blure smear noise) same (road line lane)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/21 15:04
S45	26819	(filter\$4 remov\$4 eliminat\$4 delet\$4) same (blur smear noise) same (road line lane)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/21 15:04
S46	3600	S45 same imag\$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/21 15:04
S47	686	S46 same edge	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/21 15:05
S48	105	S47 same position	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/21 15:05
S49	15	S48 same road	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/21 15:05
S50	55	(348/248).CCLS.	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2005/01/05 14:07
S51	1314	(348/248,241,607).CCLS.	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2005/01/05 14:03
S52	0	("2and(road(whitenear1(laneline)))").PN.	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2005/01/05 14:04
S53	23	S51 and (road(whitenear1(laneline)))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/01/05 14:04
S54	1	"09/987258"	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/01/05 14:07
S55	1	S54 and previous\$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/01/05 14:10
S56	383	(smear or bloom\$4) same edge same white	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/01/05 14:10
S57	3	(smear or bloom\$4) same edge same (white near1 (lane line))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/01/05 14:18
S58	27	(smear or bloom\$4 or noise) same edge same (white near1 (lane line))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/01/05 14:48
S59	1	(smear or bloom\$4 or noise) same edge same (white near1 (lane line)) same position same based	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/01/05 14:35

S60	7	(smear or bloom\$4 or noise) same edge same (white near1 (lane line)) same position	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/01/05 14:35
S61	623497	previous or (first same second) same (white near1 line) same position	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/01/05 14:50
S62	39123	S61 same imag\$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/01/05 14:50
S63	2424	S62 same edge\$3	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/01/05 14:51
S64	318	S63 same (noise bloom\$4 smear enhanc\$5)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/01/05 14:51
S65	40	S64 same (remov\$4 exclus\$4 delet\$4 eras\$4)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/01/05 14:57
S66	2359	(smear bloom\$4 noise) near2 edge	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/01/05 14:57
S67	3	S66 same (white near1 (line lane))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/01/05 14:58
S68	1	"10/208836"	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/01/06 12:36
S69	1	("5029018").PN.	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2005/01/06 12:36



Application Number

IDS Flag Clearance for Application

**IDS Information**

Content	Mailroom Date	Entry Number	IDS Review	Reviewer
M844	11-14-2001	6	<input checked="" type="checkbox"/>	03-14-2002 12:36:29 drichards2
M844	02-15-2002	10	<input checked="" type="checkbox"/>	03-14-2002 15:05:06 iclark
M844	11-23-2004	17	<input checked="" type="checkbox"/>	04-01-2005 16:34:07 jdobbs